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SD DVB-T

MPEG-4 RECEIVER

ReDi 50A

User Manual

1. SAFETY INFORMATION

This sheet lists important safety information that will help to assure proper use of the product. Please read them carefully before operation of your product.

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

1. To prevent electric shock do not attempt opening or removing the covers of the device. The device uses AC220~240V and you may be expose to dangerous voltage.

2. To clean the device always unplug the product from the wall outlet. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

3. You will notice that the product has slots and openings. These are used for ventilation to ensure reliable operation and to protect it from overheating. The openings should never be blocked by other devices. This product should not be placed in an installation, unless proper ventilation is provided. Do not put anything above the product because you will block the ventilation openings causing the device to overheat.

4.The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Service

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

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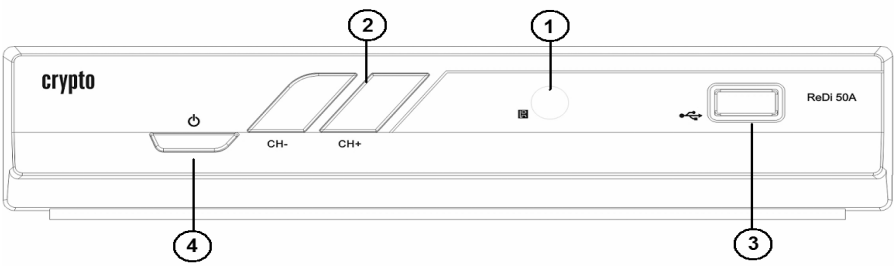
3. INTRODUCTION

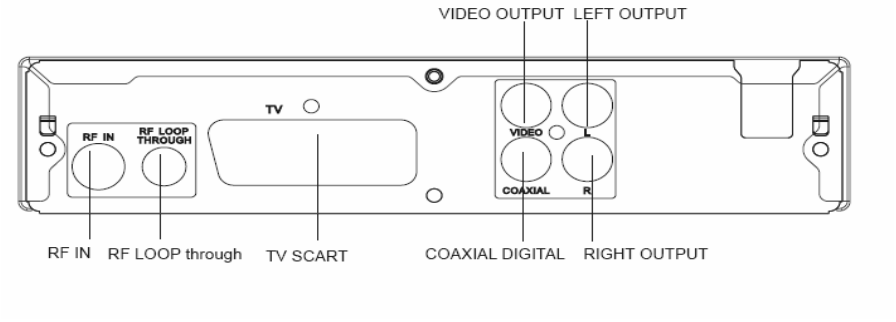
3.1 About ReDi 50A

3.1.1 Front panel



1. Remote sensor
2. Channel up/ Down
3. USB slot
4. Standby button

3.1.2 Rear panel



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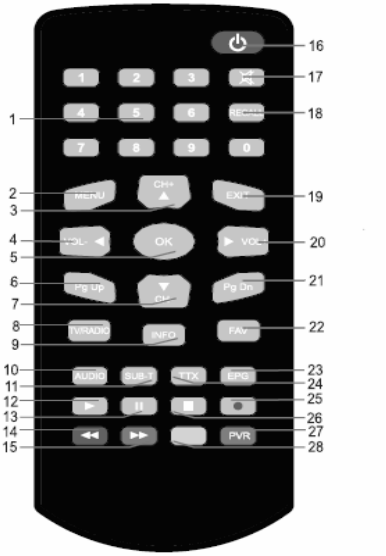
3.2 Remote control



1. NUMERIC ENTRY
2. MENU
3. CH+
4. VOL - /LEFT
5. OK
6. PAGE UP
7. CH-
8. TV/RADIO
9. INFO
10. AUDIO
11. SUB-T
12. PLAY
13. PAUSE
14. RED BUTTON/FB
15. GREEN BUTTON/FF
16. POWER
17. MUTE
18. RECALL
19. EXIT
20. VOL +/RIGHT

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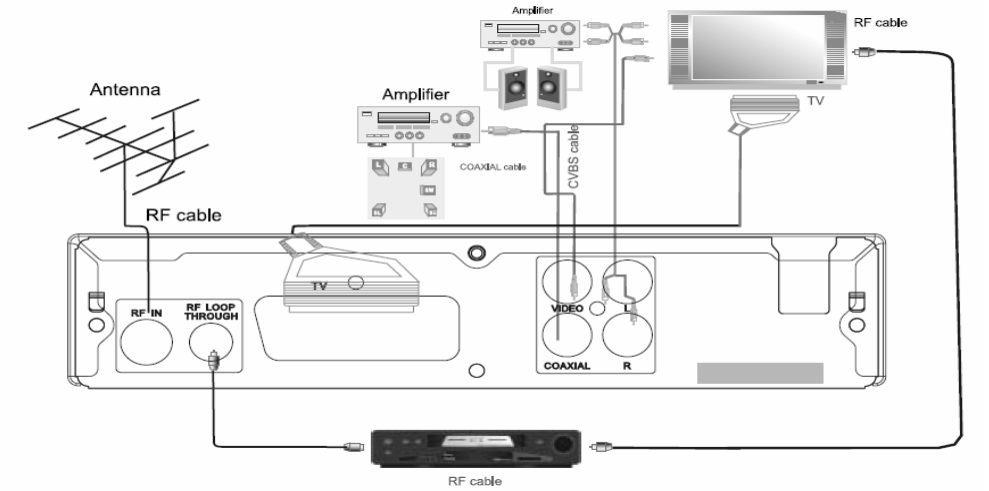
21. PAGE DN
22. FAV
23. EPG
24. TTX
25. RECORD
26. STOP
27. BLUE BUTTON/PVR
28. YELLOW BUTTON

4. SYSTEM & TV CONNECTION

There are many different types of TV and other equipment that you can connect to the device. In this manual you will see some of the most common ways to connect your equipment.



5. GETTING STARTED

5.1 Welcome Srceen

If you use ReDi 50A for the first time, the "Welcome" menu appears.
Press cursor button to setup the Region, Language, Display Mode and Aspect Mode.
Highlight "OK" and press the "OK" button to start channel search.

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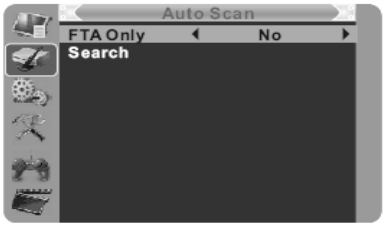
5.2 Installation

1. Press the "MENU" button to enter main menu.
2. Press "UP"or " DOWN " button to highlight "Installation", press "RIGHT" button to enter to the Installation menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu .
4. Press "EXIT" button to exit.

5.2.1 Channel Auto Scan

1. Select the "Auto Scan", press "OK" button to enter the Auto Scan menu.
2. Press the cursor button to set "FTA Only",(select NO for free to air and pay per view channels and YES for all free to air channels only), then press "Search" and press the "OK" button to start auto scan.



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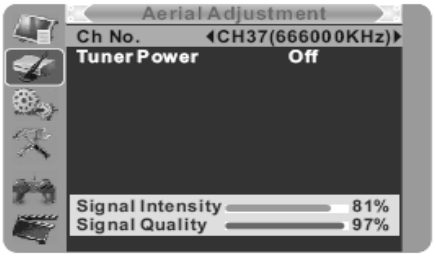
5.2.2 Channel Scan

1. Select "Channel Scan", press the "OK" button to enter the Channel Scan menu.
2. When entering to “Channel Scan” menu, a channel scan menu will be shown as below. There are two choices of “Scan Mode.”
You can scan channel by channel or by frequency. If you scan by channel, “Scan Band” and “Ch No” are available to adjust. If you scan by frequency, “Frequency” and “Bandwidth” are available to adjust.
There are two choices of “Scan Band.” You can choose “UHF” or “VHF.”
There are 56 choices of “CH No” ranging from “CH05(177500Hz) ” to “CH69(858000Hz).”
There are three choices of “Bandwidth”, 6, 7, and 8 MHz.
When you complete your modification, move highlight to “Search” and press [OK] , then the device will begin to scan.

5.2.3 Aerial Adjustment

1. Select the "Tuner Power", press"OK" to enter the Aerial Adjustment.
2. Press the cursor button to set the desired setting. When "Tuner Power" is selected "On", the STB will provide 5V power to the antenna. It will not provide anything when"Off" is selected.



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5.2.4 LCN

If LCN(Logical Channel Number) Select function is activated, you can't change the original number of TV channels by scanning .
You can activate/deactivate the LCN function by setting the "LCN Mode" to on/off.

6. OPERATION

6.1 Changing Channels

There are three ways of channel selection - stepping through the channel list, selection by number and from the on-screen channel list.
1. Stepping through the channel list:
To move through the channel list, press the upward arrow or downward arrow key on the remote control.
2. Selected by number:
Enter the channel number directly by pressing numeric buttons, and press the "OK" button to select desired channel.
3. Selected by on-screen channels list:
You can also select the required channel directly from on-screen channel list. This is displayed using the device main menu. See "Edit Channel" in this manual for operation details.

6.2 Accessing the Electronic Program Guide (EPG)

With the DVB-T you can have access to program information any time you want. This feature is displayed on-screen with functions allowing a viewer to navigate, select, and see content by time, title, channel etc. Also you can have access to TV guide of any digital channel. To use this function simply follow the following:
1. Press "EPG" button to enter EPG menu.
2. Press cursor button to switch between channel list, events schedule of the selected channel and now/next events.
3. Press "Green" button to start Timer settings.
With this option you can set the device to open or close whenever you want, set a channel as wake up channel and schedule to record any future broadcast.
4. Press "Red" button to enter the "Step time" menu.
With this option you can find information about a program of each channel, based on hours or days. Eg you can see the program guide of a channel for 2 or 3 days later, etc.
5. If you want to go back on viewing the channel press the "EPG" button again.

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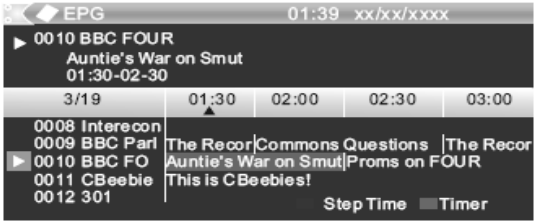

7. EDIT CHANNEL

7.1 Edit Channel menu

1. Press the "MENU" button to enter main menu.
2. Press "UP" or "DOWN " button to highlight "Edit Channel", press "RIGHT" button to enter the Edit Channel menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu .
4. Press "EXIT" button to exit.

7.2 TV Channel list

1. In the Edit Channel menu, select "TV Channel List", press "OK" button to enter TV channel list menu.
2. Move the highlight by pressing [Channel Up/Channel Down] button. Then press [OK] to preview the current highlighted program in the preview window.
3. By pressing [Page Up/Page Down] you can execute the PageUp/Pagedown function.
4. By pressing [Volume Up/Volume Down] you can switch to different Program Group.
5. By pressing [Menu] or [Exit] you can go back to the “Edit Channel” menu.

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7.3 Radio Channel list

1. In the Edit Channel menu, select "Radio Channel List", press "OK" button to enter the Radio Channel list menu.
2. Press "UP" or "DOWN" button to highlight channel press the "OK" button to listen the desired TV channel.

NOTE: Basically, the operation of "Radio Channel List" is the same as "TV Channel List", but there is one point different: In "Radio Channel List" mode, there is no video information, so it will always display Radio's logo in the right side preview window.

7.4 Delete All

1. In the Edit Channel menu, select "Delete All", press "OK" button.
2. A warning window appears.

Select "Yes", press "OK" button to delete all channels.
Select "No", Press "OK" button to cancel deleting.

8. SYSTEM SETUP

8.1 System setup menu

System setup menu allows us to set Language, TV System, Local Time Setting, Timer Setting, Parental Lock, OSD Setting and Favorite.

1. Press the "MENU" button to enter main menu.
2. Press "UP" or "DOWN" button to highlight "System Setup", press "RIGHT" button to enter the System Setup menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
4. Press "EXIT" button to exit

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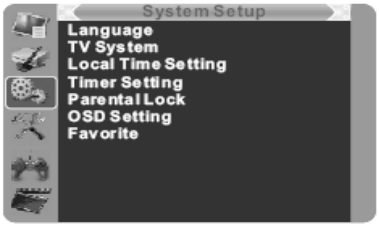

8.2 Language

This menu allows you to set Language.

1. Language: press [Volume Up/ Volume Down] key to select menu languages, the selections of languages include: English, Greek.

2. First Audio: Some channels have more than one available audio language. With this function, a user can set the first audio for this channel. If the playing channel has the same audio as the “First Audio” you set, system will play this audio language as default. If the channel hasn’t the suited audio language, then the system will compare automatically with the second audio language. The selections of audio languages include: English, French, German, Russian, Arabic, Portuguese, Turkish, Spanish, Polish , Italian and Greek.

3. Second Audio: If the channel contains the audio track corresponding to the “Second Audio” instead of the “First Audio”, system will play the second audio language as default. If no audio language corresponds to the “Second Audio”, then the default language of current channel will be played automatically. The selections of audio languages include: English, French, German, Russian, Arabic, Portuguese, Turkish, Spanish, Polish , Italian and Greek.

4. Subtitle Language: Some channels have more than one subtitle for choosing. With this function, a user can set the specified subtitle language. If the playing channel has the same subtitle language as the “Subtitle Language” the user set, system will play this subtitle language as default. If the channel hasn’t the suited subtitle language, then the default subtitle language of current channel will be played automatically.

5. Teletext: The user can set teletext language. If the streams have this language you can see the teletext in language you set.

6. Press [Exit] key to draw back from “Language” menu.

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8.3 TV System

This menu allows us to set Display Mode, Aspect Mode, Video Output and Digital Audio Output.

Display Mode:

To switch the system output video resolution.

Aspect Mode:

To switch the screen aspect ratio. By pressing [Left/Right] key to select each mode circularly. The following options are provided:

4:3 PS /4:3 LB /16:9/Provide the pillar box mode.

A user can see a 4:3 full display picture in a 16:9 TV. Wide screen picture will be suppressed to be narrow, and leave the left and right side to be black.

Auto. Auto means system won't do any aspect ratio switching.

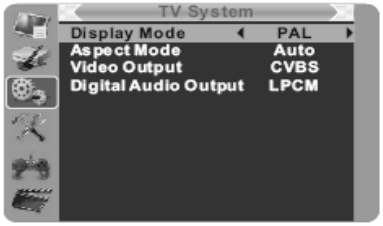
Video Output::

To set the TV video output mode. By pressing the [Left/Right] Key to select each mode circularly. The following options are provided: RGB/CVBS.

Digital Audio Output::

By pressing [Left/Right] Key to set the audio output mode to be:LPCM Out , System will decode AC3 and/or PCM audio track data to be LPCM.

BS Out. System simply outputs RAW audio data to SPDIF interface without decoding.



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8.4 Local Time Setting

This menu allows you to set the region and time.

Region: This menu is used for changing the region setting.

GMT Usage: This menu is used for opening the usage of GMT. The options are: Off / On

GMT Offset: This menu is valid only when selected "Uesr Define" in GMT Usage menu.

The GMT offset range is "-11:30 ~ +12:00", increasing half hour progressively.

Date: "Date" and "Time" menus are valid only when selected "Off" in GMT Usage menu.

Time: Press "OK" then numeric button to input the time.

8.5 Timer Setting

1. Program Timer: This menu allows us to set the program timer for a scheduled recording or channel setting.

Timer Mode: Off/Once/Daily

Timer Service: Channel/Record (schedule a video recording)

Wakeup Channel: You can select a desired channel as the wakeup channel.

Wakeup Date: Press "OK" then numeric button to input date.

Wakeup Time: Press "OK" then numeric button to input the time.

Duration: Press "OK" then press numeric button to input the duration time.

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8.6 Parental Lock

This menu allows you to protect the installation menu and channel, and change the Password.

1. In "System Setup" menu, select "Parental Lock" and press "OK" button, you are asked to input a password (the default password is"0000").
2. After the input of the correct password by pressing numeric buttons, the parental lock menu appears.

Menu Lock: To lock the installation menu and Edit menu. When you want to enter Auto Scan/Channel Scan menu, you must input the password. You can set menu lock to on/off.

Channel Lock: Off/ Manual/ AGE 10/AGE 12/AGE 16/AGE 18

New Password: To change the password.

Confirm Password: To confirm the new password.

8.7 OSD Setting

This menu allows you to set OSD Timeout, OSD Transparency and load default OSD setting.

OSD Timeout: 1-10

To set the duration of showing up for the program banner which contains some information about the channel and shows up once the channel is changed. By pressing [Left/Right] key to set the duration, ranging from “1 second ~ 10 seconds”.

OSD Transparency:

To set the transparency of OSD. By pressing [Left/Right] key to select the values. There are 5 levels of transparency, 10%, 20%, 30%, 40%, and “Off” (Opaque of the OSD).

Load Default OSD Setting:

To clear all OSD setting and reset parameters as default value.

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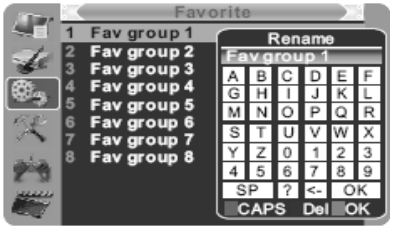
8.8 Favorite

This menu allows you to rename the favorite group.

1. In Channel menu, select "Favorite", press "OK" button to enter Favorite menu.
2. Select desired group, press "OK" button to open the screen keypad. Input a letter and a number one by one by pressing the cursor button and press "OK" button to confirm. After finishing, highlight "OK" on screen keypad to confirm, then you have you change Favorite group name successfully.
3. Press "EXIT" button to quit the group rename menu.


Favorite
1 Fav group 1
2 Fav group 2
3 Fav group 3
4 Fav group 4
5 Fav group 5
6 Fav group 6
7 Fav group 7
8 Fav group 8
Rename
Fav group 1
A B C D E F
G H I J K L
M N O P Q R
S T U V W X
Y Z 0 1 2 3
4 5 6 7 8 9
SP ? <- OK
CAPS Del OK

9. TOOLS

9.1 Tools main menu

1. Press the "MENU" button to enter main menu.
2. Press " UP" or " DOWN " button to highlight "Tools", press "RIGHT" button to enter the Tools menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
4. Press "EXIT" button to exit.

If Menu Lock is “On”, it will display a dialogue for user to key in password. The default Password is “0000”.

9.2 Receiver Information

This menu can display some parameters of bootloader, maincode, radioback, countryband and userdb information.

1. In "Tools" menu, select "Receiver Information", press "OK" button to open receiver information window.

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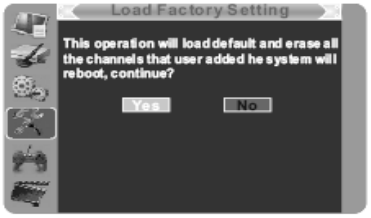
2. Press "EXIT" button to exit.

9.3 Load Factory Default

This menu allows you to re-set the device back to factory settings and clear all existed channels.

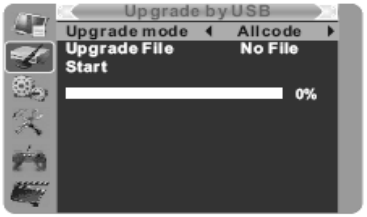
1. In the "Tools" menu, select "Load Factory Default" and press "OK" button.
2. A confirmation window will be displayed. Select "Yes" to activate a reset back to the factory settings and clear all channels.
3. Select "No" to cancel. Press "EXIT" button to exit.


Load Factory Setting
This operation will load default and erase all the channels that user added he system will reboot, continue?
Yes
No

9.4 Software Upgrade

We offer the functions for user to upgrade software version by OTA or by USB.

1. Enter "Tools" menu, select "S/W Upgrade by OTA" or "Upgrade by USB", press "OK" button and the Software Upgrade menu will be shown.
2. Press cursor button to select the desired item, then highlight "Start" and press "OK" button to start the upgrade.
3. Press "EXIT" button to exit.



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9.5 USB Device

This function allows you to play files from USB port.

1. In "Tools" menu, select "Media+", press "OK" button to enter Media Player menu.
2. Press "UP" or "DOWN" cursor button to select a desired item, and press "OK" button to play the desired files.
3. Press "EXIT" button to exit.

Music play operation

Red Key: Play the file list from the 1st music file.
Yellow Key: Delete the file highlighted by Yellow key.
Blue Key: Delete all files by blue Key, with a remind "Are you sure to save?"

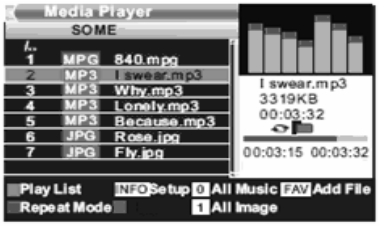
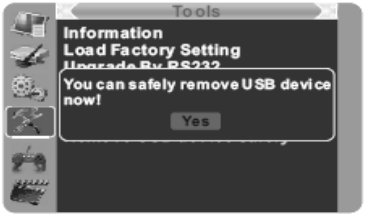


Image view operation

Red Key: Start to browse image if press RED key
Yellow Key: Delete selected image if press Yellow Key.
Blue Key: Press Blue Key, will delete all image files in play list, but system will remind you "are you sure to save?" before practical operation. If you select Yes, all file will be deleted and Play list window will be closed.
Menu Operation: Press [Info] key to enter the Setup menu.

9.6 Remove USB device safely

In "Tools" menu, select "Remove USB device safely", Press "OK" button to confirm. Then a window is displayed. Press "OK" button again.



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10. GAME

10.1 Game

This menu allows you to play games.

1. Press the "MENU" button to enter main menu.
2. Press "UP" or "DOWN" button to highlight "Game", press "RIGHT" button to enter the Game menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the game.
4. Press "EXIT" button to exit.

11. REC & MEDIA

11.1 REC & Media main menu

1. Press the "MENU" button to enter main menu.
2. Press "UP" or "DOWN" button to highlight "REC & Media", press "RIGHT" button to enter the REC & Media menu.
3. Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
4. Press "EXIT" button to exit.

11.2 Record Manager

This menu allows you to play the recorded files.

1. In "REC&MEDIA" menu, select "Record Manager" and press "OK" button to enter Record Manage menu.

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2. Press "UP" or "DOWN" cursor button to select a desired item, and press "OK" button to play the desired files.
3. Press "EXIT" button to exit.

Lock
Press [Green] key to lock a program . If you want to cancel the lock mark for a program, press [Green] key again.
Delete
Press [Blue] key to make a delete mark on the highlight program. If you want to cancel the delete operation, press [Blue] key again to cancel the delete mark. When exit the “Record Manager” menu, all the delete mark channel will be deleted directly.
Rename
Press [Red] key to rename the highlight program. It will show the “Rename” window.
You can press [Red] key to switch capital and lowercase. Press [Green] key to delete the char on the cursor. Press [Yellow] key to save the modification.
Press [Blue] key to cancel the modification

11.3 DVR HDD Information

This menu can display some parameters of the Removable Disk.
1. In "REC" menu, select "DVR HDD Information", press "OK" button to open DVR HDD information window.
2. Press "EXIT" button to exit.

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11.4 HDD Format

This menu allows you to format the removable disk.
1. In "REC" menu, select "HDD Format", press "OK" button to open HDD Format menu.
2. Highlight "Storage Partition", press "LEFT" or "RIGHT" cursor button to change Partition.
3. Highlight "Format", press "OK" button, a window appears.
Select FAT/NTFS, press "OK" button to format.
Select "Cancel", Press "OK" button to cancel.

Note: Be careful the format option will erase all data from you disk.

11.5 DVR Configuration

This menu allows us to set the DVR Configuration.
Press "UP" or "DOWN" cursor button to select desired item, press "LEFT" or "RIGHT" cursor button to change the setting.

TimeShift time(min): On/Off
Record Type: TS/PS
TS: Transportation stream which includes information like teletext, subtitle, etc.
PS: Program stream which will be packeted with the file format of *.mpg and be also playbacked by PC or other devices. (PS function works only with MPEG2 channels)

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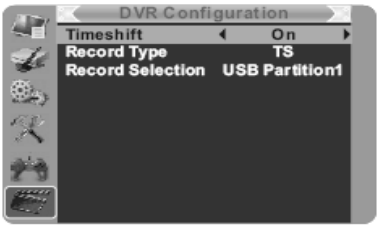
Record Selection: You can press "LEFT"or "RIGHT" cursor button to change Selection.



12. TIMESHIFT/ RECORD

Plugging an external Mass Storage Device on the USB port gives you access to activate Time Shift and Record a broadcast program.
- Pause a broadcast program and continue watching it later (Time Shift)
- Record a broadcast program.
- When the the available free space on the Mass Storage Device runs out, recording operation of the broadcast will be stoped.

NOTE: For proper operation of TIME SHIFT and PVR record it is recommend using a storage device that supports USB 2.0 and has high speed read /write. Also if it is possible is is recommended to use a USB stick or HDD with high storage space. The product can support up to 2TB disks

12.1 Time shift

The digital receiver ReDi 100 gives you the ability to record and watch one program interfacing with the viewing time. All you have to do is to connect an external hard drive or a USB stick in the usb port of the device.
With this function you can:
Pause the program and continue to see if another time.

NOTE: For proper operation of TIME SHIFT it is recommend using a storage device that supports USB 2.0 and has high speed read /write. Also if it is possible it is recommended to use a USB stick or HDD with high storage space. The product can support up to 2TB disks

The TIME SHIFT is a feature where you can simultaneously track, pause or to go back and forth when you are watching a program. For example, while watching your favorite show someone rings the door bell. No problem. Just press “Pause” button freeze the image. when you return you can resume viewing from where you left by pressing “Play” button

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• Enable TIME SHIFT

- To use TIME SHIFT press <PAUSE> and a bar with the time when the recording is started (right) will appear. From this moment and forth the channel program will be recorded.

Each time you wish to pause or rewind the program a new bar will appear. Notice that now the bar has 2 times. The right is the normal time showing the on going time from the beginning when started Time Shift and the left is the play backed time according to the time you choose to watch of the recorded program.

During TIME SHIFT, it is possible to do the following.
- Press "PAUSE" to pause the program and <PLAY> to continue watching later.
- Press "STEP FORWARD" or "FORWARD" to fast forward the recorded program at specified time steps according to “Jump” settings(30 Mon - 30 minutes) or at 2χ, 4x, speed etc respectively.
- Press "STEP BACKWARD" or "BACKWARD" to quickly rewind the recording at specified time steps according to “Jump” settings (30 Mon - 30 minutes) or at 2χ, 4X, speed etc, respectively.
This choices affect only the recorded program, and not the function of TIME SHIFT.
To return to the normal playing time press the "STOP" and then the <EXIT>. The TIME SHIFT will continue to record but you will watch the normal time of the program

• Stop TIME SHIFT

The TIME SHIFT is switch off when you change the channel or if you enter the main menu

NOTE:
• The TIME SHIFT is disabled when you activate it for a specific channel and you have scheduled a recording (PVR) to another channel. When that recording starts the device will take you to that channel automatically and it will deactivate Time Shift to the other
• The TIME SHIFT can be activated while recording a program, but only for that channel you are recording

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12.2 Personal Video Recording (PVR)

- Instant Recording

With this feature, with a touch of a button you can write a program you are watching.
- Press <RECORD> button on your remote to immediately start recording the program you are watching
- Pressing the button again <RECORD>, you can adjust the duration of the recording.
- Press <STOP> button to stop recording. A window will appear.
- Select YES to stop recording. Select NO to resume recording.

- Scheduled Recording
-

Apart from the operation of direct recording, the device can be scheduled to write a program in the future.
-Press and the <Menu> button and select <settings>, <Timer Settings>
This menu lets you set the timer for a recording.

Time Mode: Off/Once/Daily
Time service: Record
Wakeup Channel: Set the channel you want to record.
Wakeup Date: Press OK and then the numbers to enter the date of recording.
Wakeup Time: Press OK and then the numbers to enter time you want the device to start writing.
Duration: Press OK and then the numbers to enter the duration of the recording

To see all the programs you have recorded press :
1. Menu <Rec&Media> select “Record Manager” press OK or press “PVR” button
2. Press the Up and Down arrow keys to select the desired entry and press the OK to play the file.
3. Press <EXIT> on the remote to exit the menu.

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Note :

- When you write a program in a particular channel you can watch another of the same group of four digital channels, at the same time you make the record.
- When you have programmed a recording for a channel and you are watching another with the time shift activated when the recording will start the device automatically deactivate Time Shift and takes you to the channel that is programmed to be recorded.
- During the time that a recording takes place the Time Shift function can be activated in parallel with the recording only for that specific channel and not for anyone else.

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13. TROUBLESHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use an antenna with builtin signal booster.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged. Mains fuse blown.	Check mains lead Check fuse
No signal found	Aerial is disconnected. Aerial is damaged. Out of digital signal area.	Check aerial lead. Check aerial. Check with signal provider
No picture or sound	Scart /AV is not selected as a video source on your TV.	Change the TV source
No response to remote control	Receiver off. Handset not aimed correctly. Front panel obstructed. Hand set batteries exhausted.	Plug in and turn on plug. Aim handset at front panel. Check for obstructions. Replace handset batteries.
Forgotten channel lock code		Re-install channels to cancel channel lock.
Forgotten menu lock code		Contact help line.
The remote control will not operate your device	(1) The batteries in your remote control need replacing. (2) There is an obstruction blocking the signal path between the remote control and the box.	(1) Replace the batteries. (2) Check that there is nothing in the way of the path between the remote control and the receiver.
After moving the STB to another room you find you are no longer able to receive digital reception	The aerial feed for the new point may come through a distribution system which may reduce the digital signal received by the box.	Try a direct feed from the antenna.

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14. TECHNICALSPECIFICATIONS

Power Voltage	AC 220V / 240V 50-60Hz	
Power Consumption	Standby Mode: <1W Active Mode: <5W(without USB HDD) <11W(with USB HDD)	
Video decoder	MPEG-1 / MPEG-2 MP@ML / MPEG-4 AVC / H.264 MP @L3 ISO/IEC 13818-2 MAIN PROFILE@ MAIN LEVEL ISO/IEC 14496-10 MAIN PROFILE@ L3.0	
Audio decoder	MPEG-1 Layer 1,2 32/ 44.1 / 48 KHz	
Video output ratio	4:3 / 16:9 / auto	
Video resolution	480i, 576i	
Recording Format	Video: dvr (MPEG2/MPEG4), mpg (MPEG2)	
Media Player Format	Audio: mp3 Image: jpg, bmp	
OSD Menu	Multi Language (Supports Greek)	
Teletext	Greek	
Tuner		
	RF Input Connector	IEC FEMALE
	Loop Through	IEC Male
	Receiving Channel Range	174~230MHz, 470~862MHz
	Modulation	QPSK/16QAM/64QAM
	Band Width	6MHz, 7MHz, 8MHz
Outputs		
	CVBS Video Output	1xRCA (Yellow)
	L/R Audio Output	2x RCA (White/Red)
	TV SCART	1 x SCART
	Digital Audio	Coaxial Output
	USB 2.0	USB 2.0 Host Interface
Dimensions	W x D x H 190 x 150 x 40mm	
Weight	542 gr	

Technical specifications are subject to change without prior notice.

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